

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. – 42. (Canceled)

43. (New) In a communication system comprising pooled circuit switched core network nodes and packet switched (PS) core network nodes, a method of transferring a mobile station (MS), the method comprising the steps of:

moving the MS from a first pooled CS core network node to a second pooled CS core network node;

sending a first message from the first pooled CS core network node to the second pooled CS core network node to establish if the second pooled core network node will accept the MS; and

sending a message from the first pooled CS core network node to a first PS core network node upon the second pooled core network node accepting the MS, the second message including the address of the second pooled CS core network node and information regarding a location update to the second pooled CS core network node, whereupon the first PS core network node sends a location update to the second pooled CS core network node according to the information in the second message..

44. (New) The method of claim 43, wherein the pooled CS network node is a Mobile Switching Center (MSC) and the first PS network node is a Serving GPRS Support Node (SGSN) or a Combined GPRS Support Node (CGSN), wherein the CGSN includes.

45. (New) The method of claim 43, wherein the first message includes a plurality of mobile stations moving from the first pooled CS core network node to the second pooled CS core network node.

46. (New) The method of claim 43, wherein the first message includes a list of mobile stations moving to the second CS network node and a list of mobile stations moving to a third CS core network node.

47. (New) The method of claim 43, wherein the information regarding a location update includes the time the first PS core network node shall perform a Location Update for the MS towards said second CS core network node.

48. (New) The method of claim 43, wherein all messages between the CS core network nodes and the first PS core network node are sent via a Gs interface.

49. (New) The method of claim 43, wherein the first core network node is one of a pool of PS core network nodes.

50. (New) The method of claim 49, wherein the MS changes to a second PS core network node from the first PS core network node, a second information message is sent from the first PS core network to the second PS core network node, the second information message containing information about the second CS core network node.

51. (New) The method of claim 50, wherein the second information message is an existing message, which is extended to include the information about the second CS core network node.

52. (New) The method of claim 51, wherein the extended message is a SGSN Context Response sent during an Inter SGSN Routing Area Update.

53. (New) A node in a communication system comprising pooled circuit switched (CS) core network nodes and packet switched (PS) core network nodes. the node comprising:

means for moving a connected MS from a first pooled CS core network node to a second pooled CS core network node;

transmission means for sending a first message from the first pooled CS core network node to the second pooled CS core network node to establish if the second pooled core network node will accept the MS; and

means for sending a second message from the first pooled CS core network node to a first PS core network node upon the second pooled core network node accepting the MS, the second message including the address of the second pooled CS core network node and information regarding a location update to the second pooled CS core network node, whereupon the first PS core network node sends a location update to the second pooled CS core network node according to the information in the second message.

54. (New) The node of claim 53 is one of a CS core network node and a PS core network node.

55. (New) The node of claim 54, wherein the pooled CS network nodes are Mobile Switching Centers (MSCs) and the first PS network node is a Serving GPRS Support Node (SGSN) or a Combined GPRS Support Node (CGSN).

56. (New) The node of claim 54, wherein the first message includes a plurality of mobile stations moving from the first pooled CS core network node to the second pooled CS core network node.

57. (New) The node of claim 54, wherein the first message includes a list of mobile stations moving to the second CS network node and a list of mobile stations moving to a third CS core network node.

58. (New) The node of claim 54, wherein the information regarding a location update includes the time the first PS core network node shall perform a Location Update for the MS towards said second CS core network node.

59. (New) The node of claim 54, wherein all messages between the CS core network nodes and the first PS core network node are sent via a Gs interface.

60. (New) The node of claim 59, wherein the first PS core network node is one of a pool of PS core network nodes.

61. (New) The node of claim 60, wherein if the MS changes to a second PS core network node from the first PS core network node, a second information message is sent from the first PS core network node to the second PS core network node. the second information message containing information about the second CS core network node.

62. (New) The node of claim 61, wherein the second information message is an extension of an existing message, which is extended to include the information about the second CS core network node.

63. (New) The node of claim 61, wherein the extended message is a SGSN Context Response sent during an Inter SGSN Routing Area Update.